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Amendments to the claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims

1. (original) An oxygen absorber comprising:
an iron powder, and
a first layer coated on a surface of the iron powder,
said first layer being formed of iron chloride.
2. (original) An oxygen absorber according to claim 1,
further comprising a matrix material filled with the iron
powder covered with the first layer.
3. (original) An oxygen absorber according to claim 1,
wherein said iron powder is sponge iron powder with porous
surface.
4. (original) An oxygen absorber according to claim 1,
wherein said iron powder has an average diameter of less
than 100 micrometers.
5. (original) An oxygen absorber according to claim 1,
wherein said iron powder is carbonyl iron powder with an
average diameter of less than 20 micrometers.
6. (original) An oxygen absorber according to claim 1,
wherein said first layer is formed of at least one of
anhydrous ferric chloride and ferrous chloride.

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7. (original) An oxygen absorber according to claim 1, wherein said first layer is coated on the iron powder such that a ratio of chloride to iron is 0.1% to 10% by weight.

8. (original) An oxygen absorber according to claim 1, wherein said first layer has a thickness of less than 100 nm.

9. (original) An oxygen absorber according to claim 2, wherein said matrix material is a plastic having a melting point of 80°C to 300°C.

10. (original) An oxygen absorber according to claim 2, wherein said matrix material is filled with the iron powder at 50% to 90% by weight.

11. (original) An oxygen absorber according to claim 1, further comprising a second layer coated on the first layer formed on the surface of the iron powder and formed of iron chloride.

12. (original) An oxygen absorber according to claim 11, wherein said second layer is formed of at least one of anhydrous ferric chloride, ferrous chloride hexahydrate, ferrous chloride, and ferrous chloride tetrahydrate.

13. (original) A method of manufacturing an oxygen absorber, comprising the steps of:
preparing iron powder, and
forming a first layer formed of iron chloride on a surface of the iron powder.

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14. (original) A method of manufacturing an oxygen absorber according to claim 13, further comprising the step of mixing the iron powder and a matrix material, melting the mixture of the iron powder and the matrix material, extruding the molten mixture into a strand, pelletizing the extruded strand, and molding the pellet into a predetermined shape.

15. (cancelled) A method of manufacturing an oxygen absorber according to claim 14, wherein said step of forming the first layer is performed by injecting hydrochloric acid or molten ferric chloride hexahydrate to react directly with the iron powder in an extruder while melting the mixture of the iron powder and the matrix material.

16. (original) A method of manufacturing an oxygen absorber according to claim 13, further comprising the step of forming a second layer formed of iron chloride on the first layer formed on the surface of the iron powder.

17. (new) A method of manufacturing an oxygen absorber, comprising the steps of:
preparing iron powder, and forming a first layer formed of iron chloride on a surface of the iron powder,
further comprising the step of mixing the iron powder and a matrix material, melting the mixture of the iron powder and the matrix material, extruding the molten mixture into a strand, pelletizing the extruded strand, and molding the pellet into a predetermined shape,
wherein said step of forming the first layer is performed by injecting hydrochloric acid or molten ferric chloride hexahydrate to react directly with the iron powder in an

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extruder while melting the mixture of the iron powder and the matrix material.

18. (new) A method as defined in claim 17 including the step of mixing said oxygen absorber with other plastic material, and forming a container therefrom, wherein the oxygen absorber functions as a barrier against the passage of oxygen.

19. (new) A method as defined in claim 13 including the step of mixing said oxygen absorber with other plastic material, and forming a container therefrom, wherein the oxygen absorber functions as a barrier against the passage of oxygen.